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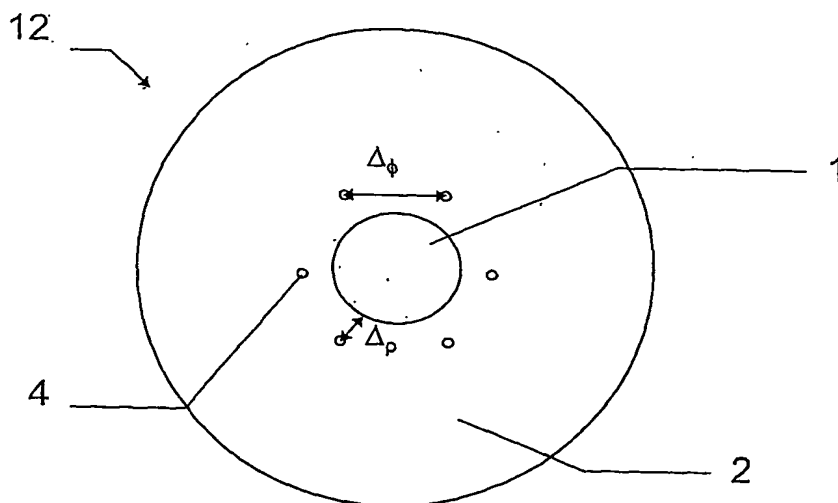
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(54) Title: MICROSTRUCTURED OPTICAL FIBRE



(57) Abstract: Microstructured optical fibre (12) comprising a core region (1) with a material having a refractive index n_{co} and a microstructured region (2), surrounding the core region (1), with a background material having a refractive index n_m which is lower than the refractive index n_{co} , the microstructured region (2) comprising a plurality of microstructures (4) having a refractive index different from the refractive index n_m , wherein the distance $\Delta\phi$ between the centres of any couple of adjacent microstructures (4) is at least equal to about λ_p and not higher than about $1.5\lambda_p$, wherein λ_p is the spatial variation length of the electric field intensity in the

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microstructured region (2).